

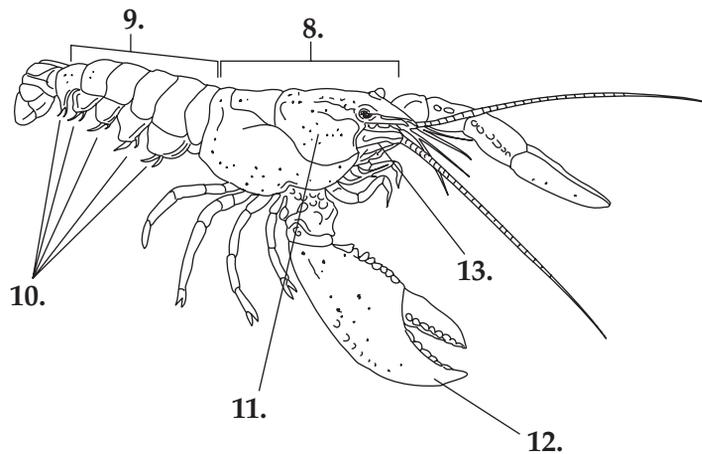
Chapter 28 Arthropods and Echinoderms

Chapter Vocabulary Review

Matching *On the lines provided, write the letter of the description that best matches each term on the left.*

- | | |
|----------------------------|---|
| _____ 1. thorax | a. shedding of the exoskeleton |
| _____ 2. chitin | b. saclike organ of terrestrial arthropods used to extract waste from the blood |
| _____ 3. appendage | c. made of layered respiratory tissue |
| _____ 4. spiracle | d. body section behind the head that houses most of the internal organs |
| _____ 5. book lung | e. a leg or an antenna |
| _____ 6. Malpighian tubule | f. material in an exoskeleton |
| _____ 7. molting | g. small opening where air enters and leaves the body of an arthropod |

Labeling Diagrams *On the lines provided, label the structures of a crayfish as one of the following: abdomen, swimmeret, cheliped, mandible, cephalothorax, and carapace.*



- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____

Multiple Choice *On the lines provided, write the letter of the answer that best completes the sentence or answers the question.*

- _____ 14. Horseshoe crabs respire through organs called
- | | |
|--------------------|----------------|
| a. tracheal tubes. | c. book lungs. |
| b. book gills. | d. spiracles. |
- _____ 15. The mouthpart of a spider that contains a fang is called a
- | | |
|---------------|---------------|
| a. spinneret. | c. chelicera. |
| b. pedipalp. | d. thorax. |

- _____ 16. What immature form of an insect looks very much like an adult?
- a. pupa
 - b. nymph
 - c. larva
 - d. egg
- _____ 17. Animals that hatch into larvae that look and act nothing like their parents go through a process called
- a. complete metamorphosis.
 - b. incomplete metamorphosis.
 - c. adolescence.
 - d. puberty.
- _____ 18. What chemicals do insects use to communicate?
- a. nymphs
 - b. chelicerae
 - c. castes
 - d. pheromones

Completion *On the lines provided, complete the following sentences.*

19. Most terrestrial arthropods breathe through a network of branching _____.
20. Spiders have mouthparts called _____ that are adapted to grab prey.
21. A group of closely related animals of the same species that work together for the benefit of the whole group is called a(an) _____.
22. A group of individuals that performs a particular task within a society is called a _____.
23. The system of internal tubes found in echinoderms is called a(an) _____.
24. A sievelike structure called a _____ connects the water vascular system to the water outside the animal.
25. On an echinoderm, a _____ is a structure that operates much like a living suction cup.